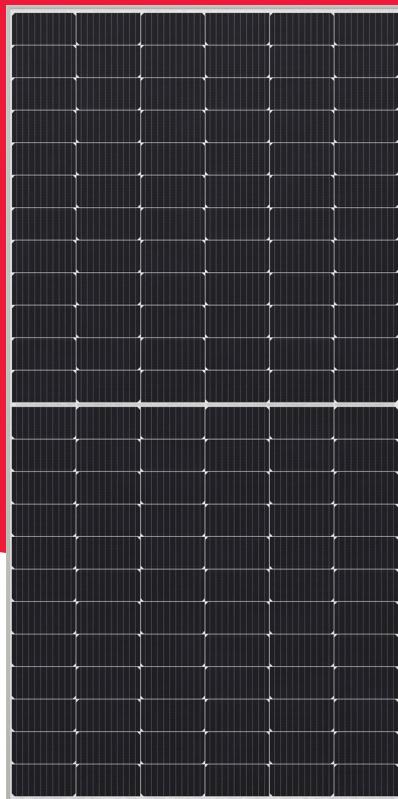


NU-JD545 / 550

545/550 W

The Project Solution



Powerful product features

+% Guaranteed positive power tolerance (0/+5 %)

↗ Module efficiency 21.1 / 21.3 %
PERC monocrystalline silicon photovoltaic modules

⚡ Max. system voltage 1,500 V
Lower BOS costs by longer strings

MBB MBB busbar technology
Improved reliability
Higher efficiency
Reduced series resistance

█ Half-cut cell
Improved shading performance
Lower internal losses

VDE Tested and certified
VDE, IEC/EN61215, IEC/EN61730
CE Safety class II, CE, UKCA, MCS
UKCA Fire rating class C



🛡 Robust product design
PID resistance test passed
Salt mist test passed (IEC61701)
Ammonia test passed (IEC62716)
Dust and sand test passed (IEC60068)

Your solar partner for life

60 YEARS 60 years of solar expertise

25 YEARS Linear power output guarantee

15* YEARS Product guarantee
not on roof

🌐 Local support team in Europe

50 MIL 50 million PV modules installed

25* YEARS Product guarantee
on roof



Energy Solutions

* Applicable for modules installed within the EU and additional listed countries.
Please check the guarantee conditions for your area before purchasing.

SHARP
Be Original.

Electrical data (STC)

		NU-JD545	NU-JD550	
Maximum power	P _{max}	545	550	W _p
Open-circuit voltage	V _{oc}	50.54	50.70	V
Short-circuit current	I _{sc}	13.73	13.81	A
Voltage at point of maximum power	V _{mpp}	41.83	42.02	V
Current at point of maximum power	I _{mpp}	13.03	13.09	A
Module efficiency	η _m	21.1	21.3	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

Rated electrical characteristics are within ±10 % of the indicated values of I_{sc}, V_{oc} and 0 to +5 % of P_{max}. Reduction of efficiency from an irradiance change of 1,000 W/m² to 200 W/m² (T_{module} = 25 °C) is less than 3 %.

Electrical data (NMOT)

		NU-JD545	NU-JD550	
Maximum power	P _{max}	408.72	412.46	W _p
Open-circuit voltage	V _{oc}	47.90	48.05	V
Short-circuit current	I _{sc}	11.13	11.20	A
Voltage at point of maximum power	V _{mpp}	39.00	39.17	V
Current at point of maximum power	I _{mpp}	10.48	10.53	A

NMOT = Nominal Module Operating Temperature: 42.5 °C, irradiance 800 W/m², air temperature of 20 °C, wind speed of 1 m/s.

Mechanical data

Length	2,278 mm
Width	1,134 mm
Depth	35 mm
Weight	27.5 kg

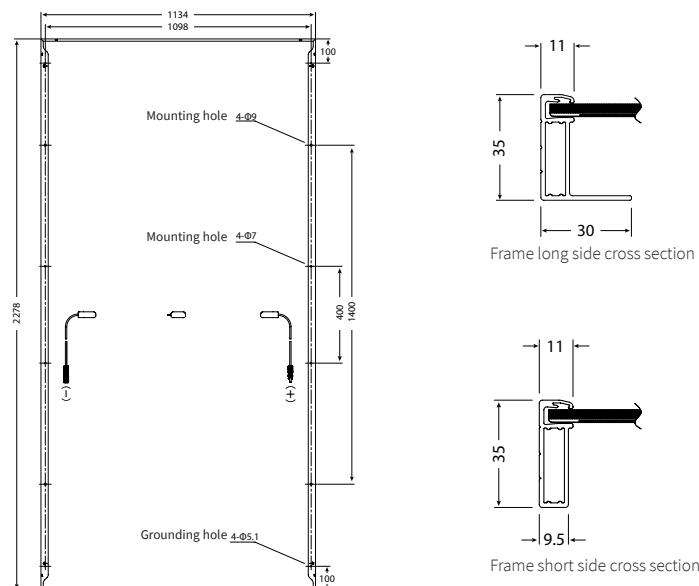
Temperature coefficient

P _{max}	-0.341 %/°C
V _{oc}	-0.262 %/°C
I _{sc}	0.054 %/°C

Limit values

Maximum system voltage	1,500 V DC
Over-current protection	25 A
Temperature range	-40 to 85 °C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

Dimensions (mm)



*Please refer to SHARP's installation manual for details.

Packaging data**

Modules per pallet	31 pcs
Pallet size (L × W × H)	2.31 m × 1.13 m × 1.25 m

**Special offloading requirements, please refer to QR code or: www.sharp.eu/nujd-offloading



General data

Cells	Half-cut cell mono, 182 mm × 91 mm, MBB, 2 strings of 72 cells in series
Front glass	Anti-reflective high transmissive low iron semi-tempered glass, 3.2 mm
Backsheet	White
Frame	Anodized aluminium alloy, silver
Cable	Ø 4.0 mm ² , length 1,750 mm [or on request (+) 397 mm, (-) 50 mm]
Connection box	IP68 rating, 3 bypass diodes
Connector	C1, IP68